_	1					Scenarios		
Туре	No.	Building Blocks		Option	Incorporate in Phase 2 Analysis	Improved Levees	Armored Pathway	Isolated Conveyance
1 - Conveyance/Flood Risk Reduction	1.1	Improved Delta/Suisun Marsh Levee Maintenance		Delta Levee Subventions/SM maintenance increased to 2 x current level ~(\$12 million/year)	Y	0		•
			b.	Delta Levee Subventions/SM maintenance increased to 4 x current level) (~\$25 million/year)	Y			
	1.2	Upgraded Delta Levees	a.	All Central Delta Levees (~500 miles) upgraded to HMP	Y		•	•
				All Central Delta Levees (~500 miles) upgraded to PL84-99	Y	0		
			C.	All Central Delta Levees (~500 miles) upgraded to Urban Project Levees	Y			
			d.	Selected Delta islands (say Sherman, Twitchell, Brannan, Bradford, Webb, Jersey, and Bethel) have their Delta levees upgraded/replaced with seismically resistant levees (say 300- year earthquake)	Y			
	1.3	Preparedness/Response	a.	Spend ~\$50 million for pre-positioning rock, sheetpiles, etc	Y	0	•	•
			b.	Spend ~\$100 million for pre-positioning rock, sheetpiles, etc	Y			
	1.4	Pre-flooding of Selected Western Islands	a.	Sherman, Twitchell, Brannan, Bradford, Webb, and Jersey	Y			
	1.5	Land Use Changes to Reduce Island Subsidence	a.	Change land use from farming to wetlands/carbon seq. (rice growing, fish food farm, etc.) for all islands projected to have more than 3 feet of additional subsidence by 2100	Y	•	•	•
	1.6	Armored "Pathway" Through Delta Conveyance (modified PPIC "Armored Island" Concept)	a.	Upgraded levees along "Pathway" (say to at least Urban Project levees)	Y			
			b.	Channel operable barriers (say Obermeyer Gates)	Y		•	
	1.7	Isolated Conveyance		Channel dredging Dual isolated conveyance (say 5,000	Y		•	
	ļ	Alternatives		cfs capacity) Intermediate isolated conveyance (say	Y			
				10,000 cfs capacity)				
			c.	Full isolated conveyance(16,000 cfs? capacity)	Y			
	1.8	Alternative Conveyance	a.	Dual isolated conveyance (say 5,000 cfs capacity)	Y			
			b.	Intermediate isolated conveyance (say 10,000 cfs capacity)	Y			
			C.	Full isolated conveyance(16,000 cfs? capacity)	Y			
2 - Infrastructure Risk Reduction	2.1	Raise State Highways and Place on Piers (similar to I-80 across Yolo Bypass)		Highway 4	Υ			•
				Highway 12 Highway 160	Y	<u> </u>	•	
	2.2	Construct Armored Infrastructure Corridor Across Central Delta		Mokelumne Aqueduct	Y	0	•	
			b.	Burlington-Northern Santa Fe Rail Line	Y	0		
				Highway 4	Y	0	•	
3 - Environmental Risk Mitigation				Natural Gas Pipelines	Y	<u> </u>		
			e.	Protect selected water/waste water treatment plants	Y			
				Breach dikes in Suisun Marsh	Y	0	•	
		ŭ .		Cache Slough Restoration Delta Cross Channel	Y	<u> </u>		•
	1		b.	Clifton Court Intake	Y	0	•	
				Tracy Pumping Plant	Y	0	•	
	3.4	Set back levees to Restore		River diversions 10 miles	Y	<u> </u>	•	•
		Shaded Riverine Habitat	b.	20 miles	Y			
	+			50 miles	Y			
	3.5	Delta	a.	10 percent	Y			_
				25 percent 40 percent	Y			
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block belongs to that scenario